



Let's learn Bridge, Composite & Flyweight Pattern

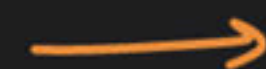
Special class

DSA

Supreme 3.0

→ Bridge Pattern;

Software Layer
fused together



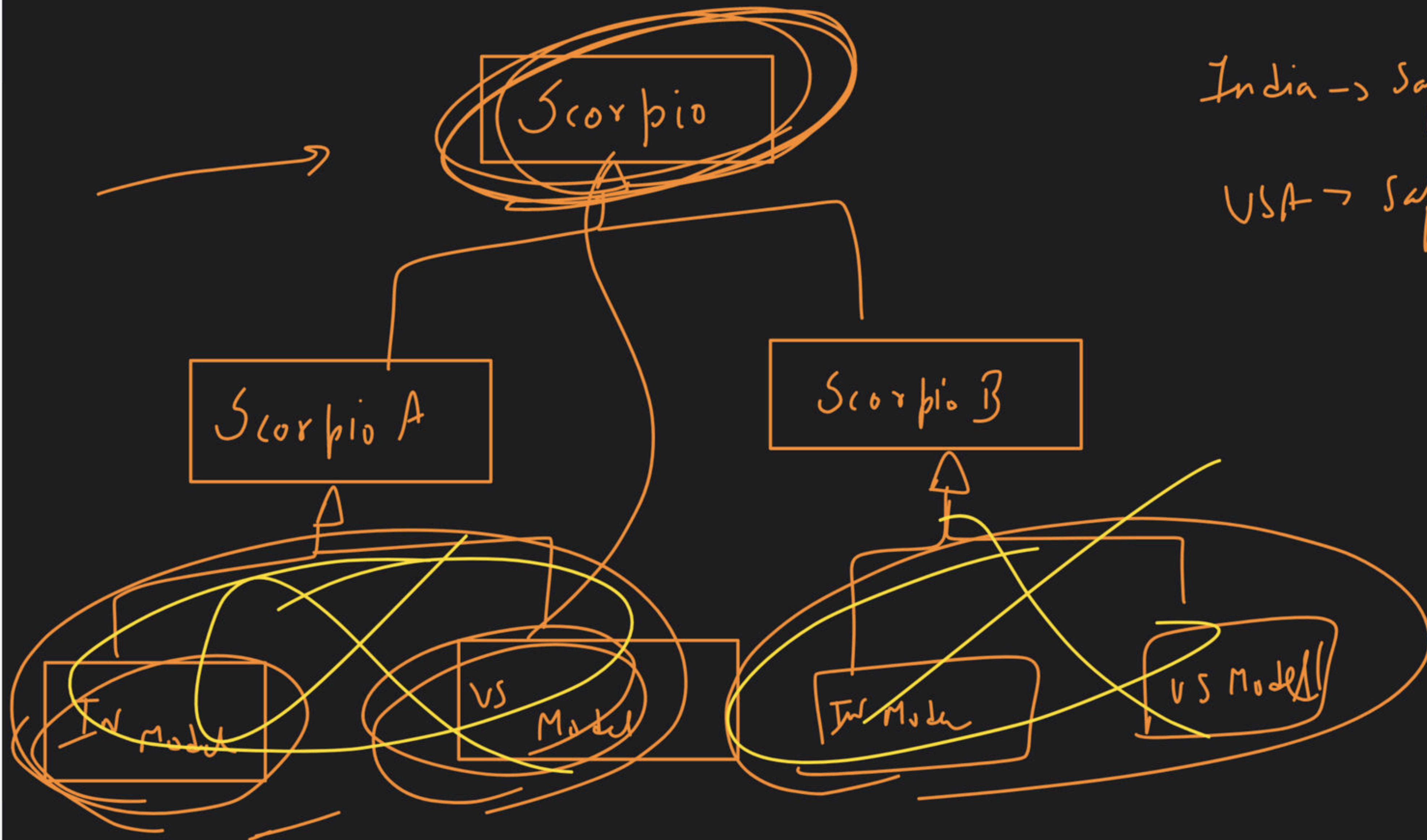
parallel layers
connected via
Bridge

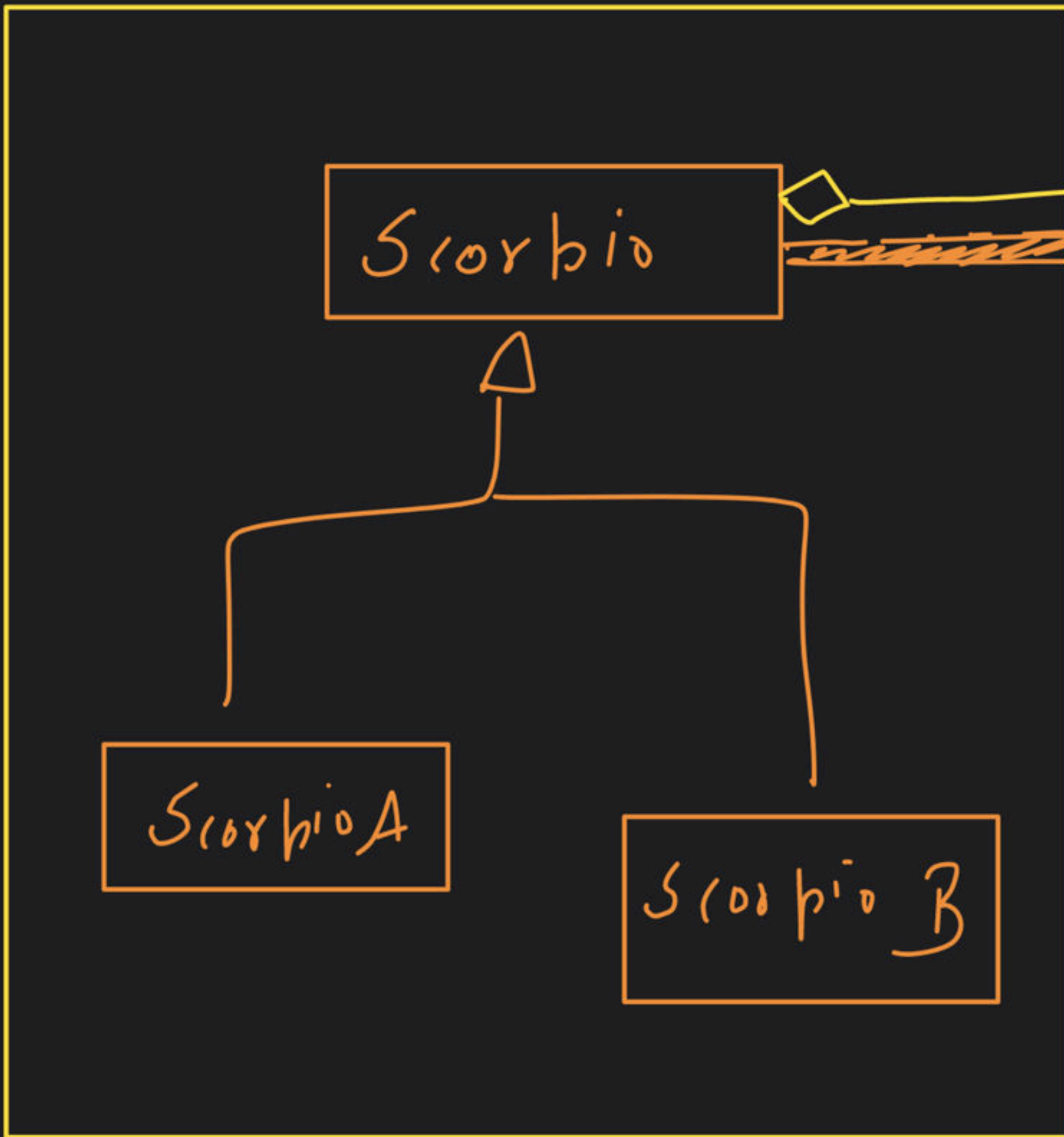
(1) decoupled ⇐

(2) extensibility

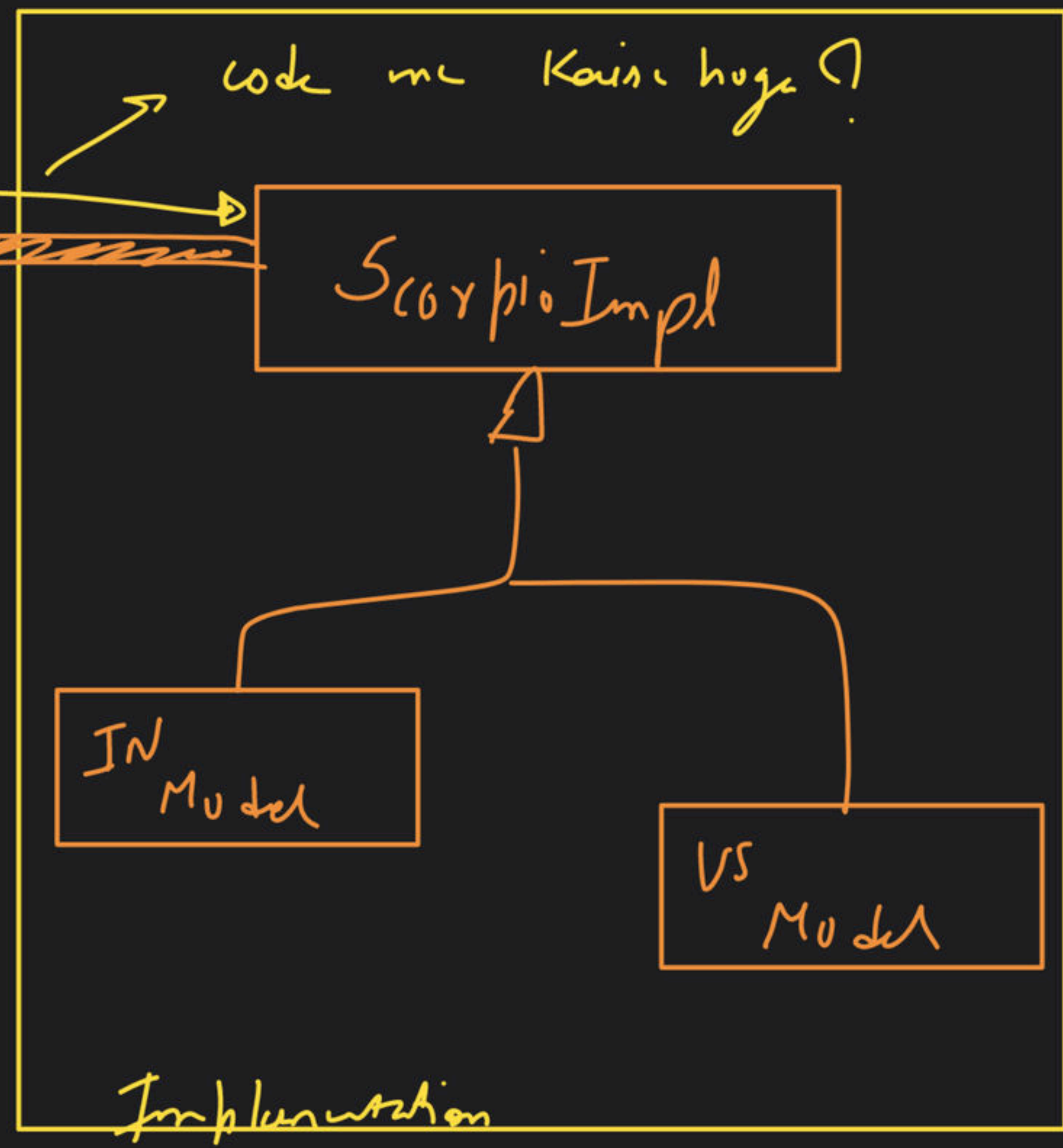
India → Safety

USA → Safety





Abstract



Implementation

code me Kaise hoga?

$$(A_h) \times (I_{np})$$

decoupling

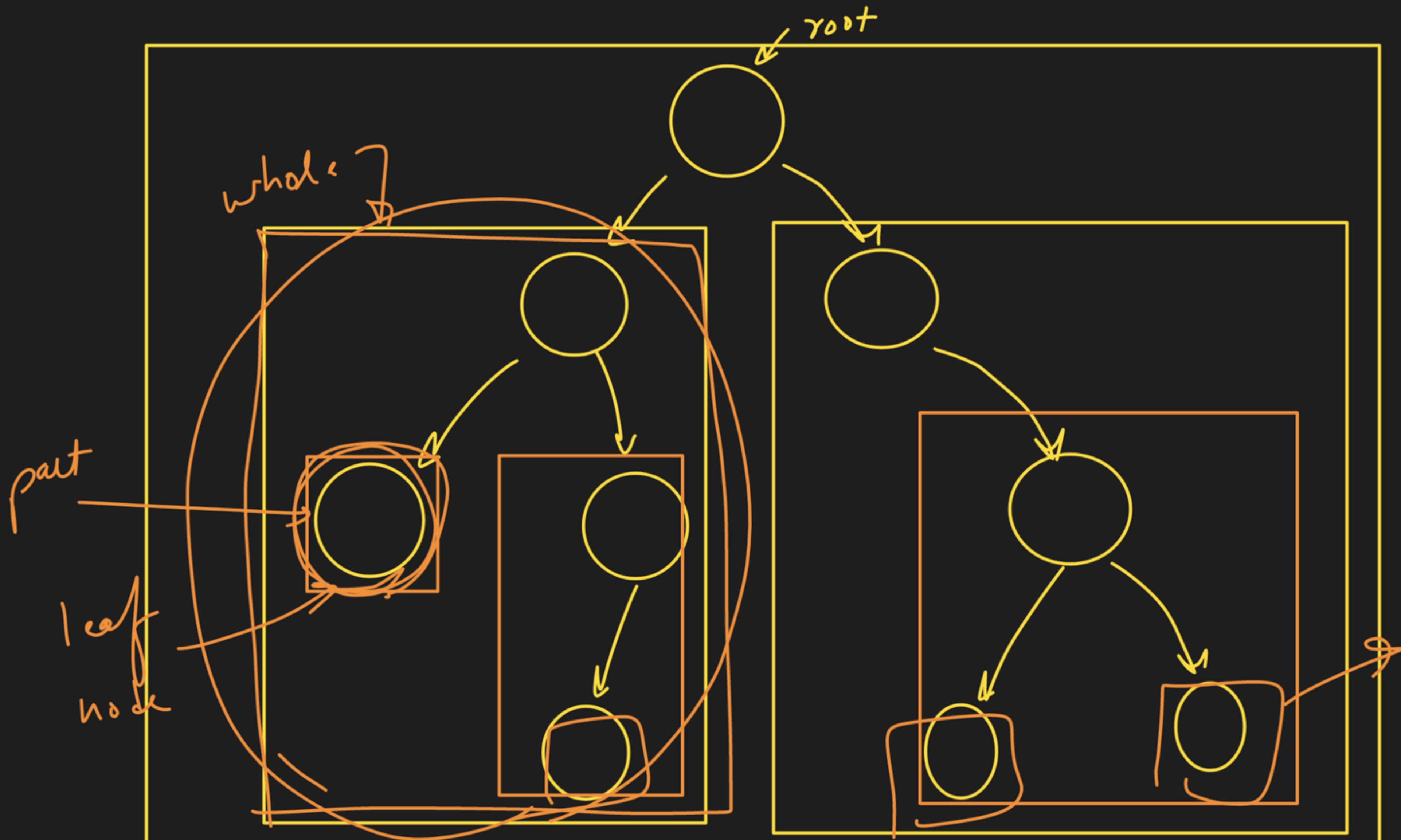
extensibility

→ Composite Pattern:-

made up of various elements

whole
part → similarly
treat





Ex

add
remove

whole

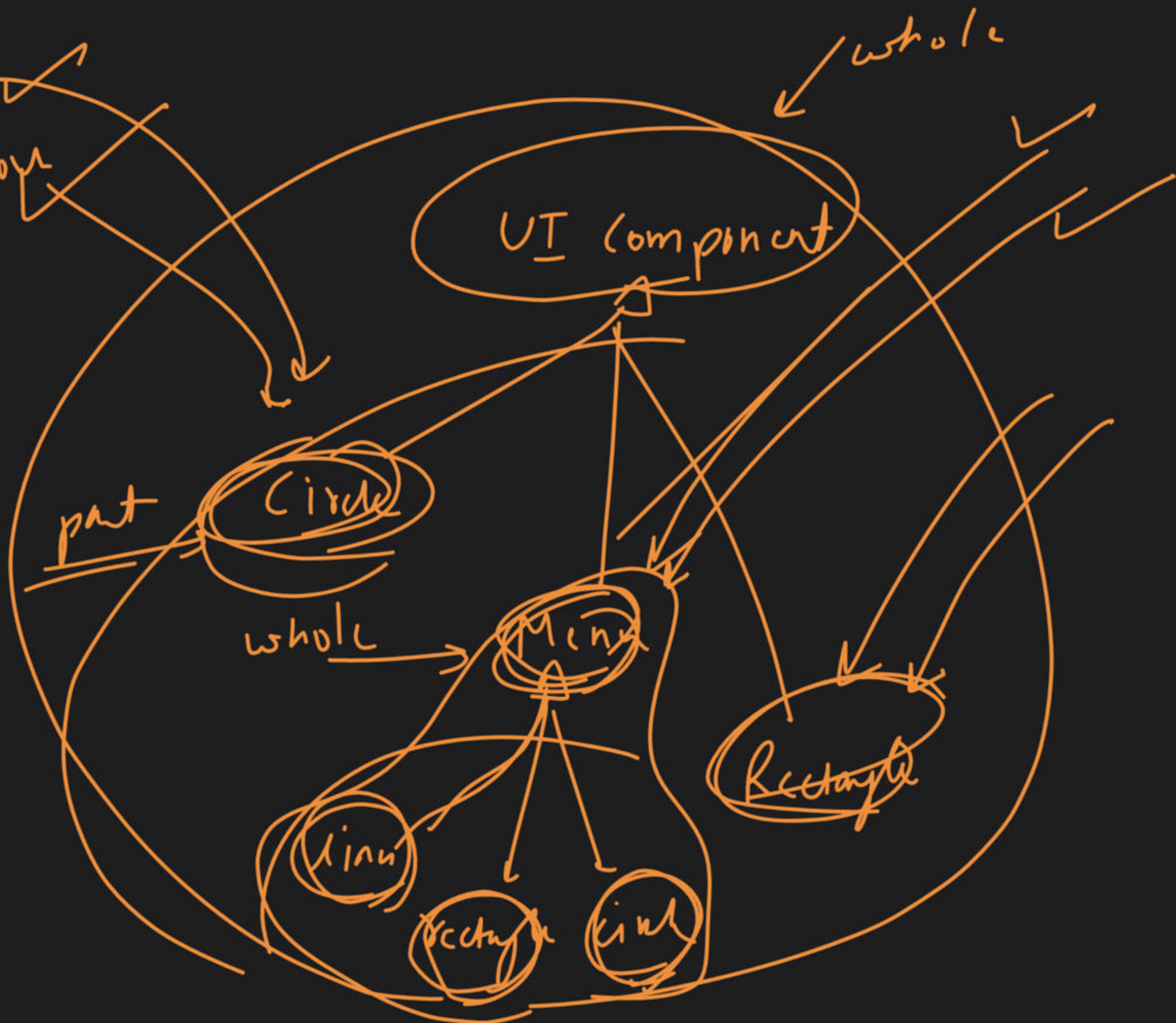


Noh

Part

whole

interface

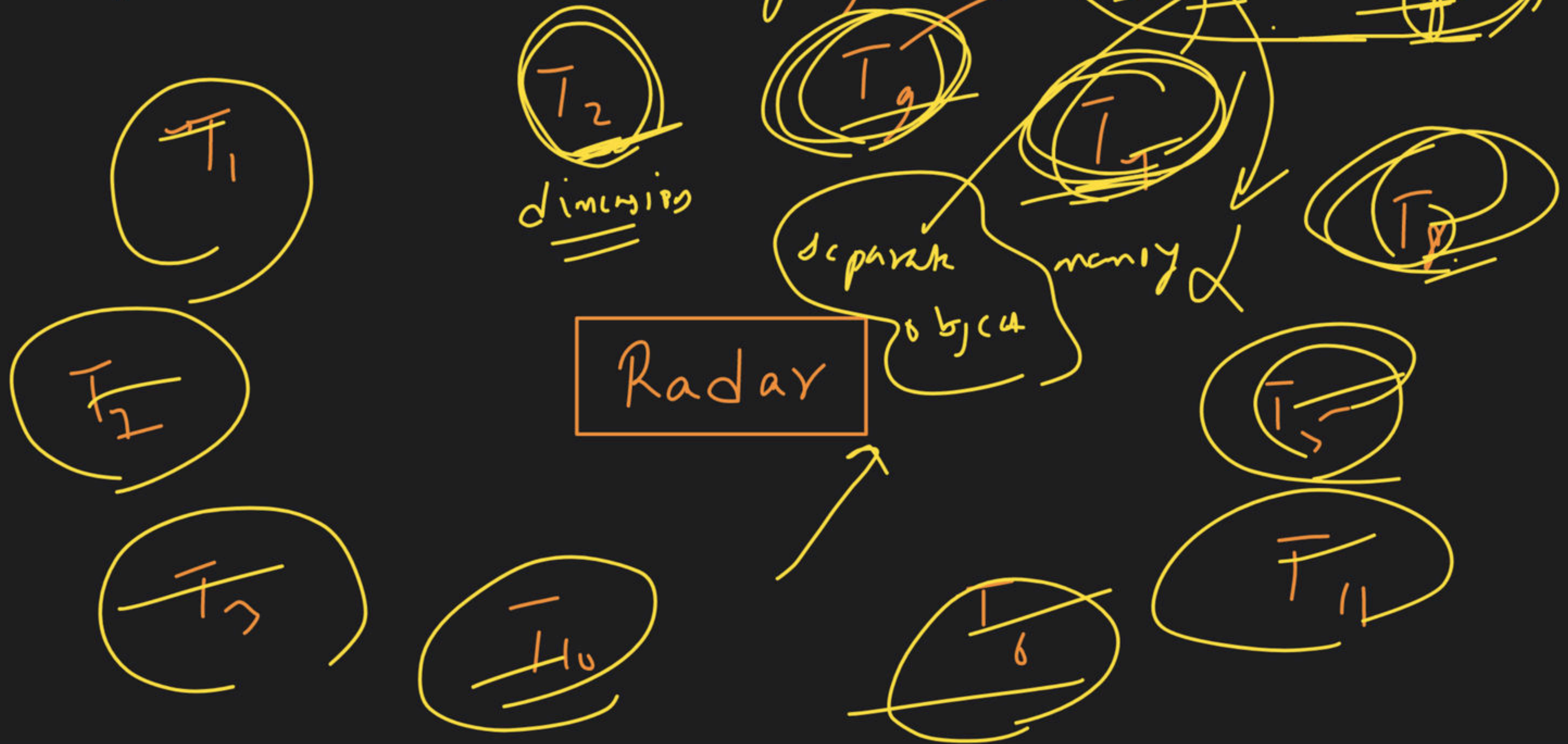




2 min
Razaki

→ Flyweight

Pattern! shared \rightarrow Intrinsic \rightarrow dimension
less memory \rightarrow Extrinsic \rightarrow full




```
void get totalTime (
```

```
{
```

return

$$\frac{a}{b} \times 100$$

```
}
```